



**Material Safety Data Sheet**  
**OX-Gard™ Grease**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** OX-Gard™ Grease  
**Other/generic names:** OX-100, 100B, 400 800, 1000  
**Product use:** Electrically conductive grease  
**Manufacturer:** GB Electrical Inc. In case of emergency, contact  
 6101 N. Baker Road 3E Company, 800-360-3220  
 Milwaukee, WI 53209 24 hrs, 7 days/week  
 1-800-822-9220

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW: A charcoal colored paste with a petroleum odor. Spilled material may be slippery. Prolonged contact may irritate skin.**

**POTENTIAL HEALTH HAZARDS**

**Skin:** Prolonged contact may cause irritation.  
**Eyes:** May cause irritation.  
**Inhalation:** Not a foreseeable route of entry for product.  
**Ingestion:** May cause digestive discomfort and/or diarrhea.  
**Delayed effects:** No effects from foreseeable occupational exposure.

Ingredients found on one of the OSHA designated carcinogen lists are listed below.

Ingredient Name	NTP Status	IARC Status	OSHA List
No ingredients listed in this section.			

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient Name	CAS Number	Weight %
Petroleum oil	64742-52-5 or 64752-57-0	60 – 100
Additives package containing Calcium carbonate Lithium 12-hydroxystearate Graphite Polybutene Talc	417-34-1 7620-77-1 7782-42-5 9003-29-6 14807-96-6	10– 20
Zinc powder	7440-66-6	10 – 20

Trace impurities and additional material names not listed above may also appear in Section 15 toward the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

**4. FIRST AID MEASURES**

<b>Skin:</b>	Wash with soap and water.
<b>Eyes:</b>	Rinse eyes in running water until irritation subsides. Get medical attention for irritation or any discomfort that does not respond to first aid.
<b>Inhalation:</b>	Not a potential route of entry.
<b>Ingestion:</b>	Do not induce vomiting. Consult a physician.
<b>Advice to physician:</b>	Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

<b>Flash Point &amp; Method</b>	None
<b>Autoignition Temperature:</b>	Not determined
<b>Explosive Limits</b>	Not determined
<b>Flame Propagation Rate (solids):</b>	Not determined
<b>OSHA Flammability Class:</b>	Not applicable
<b>Extinguishing Media:</b>	Use any standard agent (foam, CO <sub>2</sub> , dry chemical, etc.) except a water stream which may spread burning product.
<b>Unusual Fire And Explosion Hazards:</b>	Product can be ignited but is not classified as 'flammable'.
<b>Special Fire Fighting Precautions/Instructions:</b>	Wear self contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

**IN CASE OF SPILL OR OTHER RELEASE:** Wear proper protective clothing. Absorb spills with clay, diatomaceous earth or other inert absorbent and place into containers for disposal.

## 7. HANDLING AND STORAGE

<b>Normal Handling:</b>	Avoid contact with eyes. Do not swallow. Wash after handling.
<b>Storage Recommendations:</b>	Store in a cool, dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Engineering controls not required with anticipated use or handling as airborne concentrations will not be created.

### PERSONAL PROTECTIVE EQUIPMENT

<b>Skin Protection:</b>	Work gloves
<b>Eye Protection:</b>	Safety glasses are recommended.
<b>Respiratory Protection:</b>	Not required for foreseeable use and handling.
<b>Additional Recommendations:</b>	None

### EXPOSURE GUIDELINES

(As product is a paste, inhalation of ingredients is extremely unlikely.)

Ingredient Name	ACGIH TLV	OSHA PEL	Other *
Petroleum oil	None	None	None
Calcium carbonate	10 mg/m <sup>3</sup> TWA Intended changed noted 1 mg/m <sup>3</sup> TWA (inhalable)	5 mg/m <sup>3</sup> TWA (respirable) 15 mg/m <sup>3</sup> TWA (total)	5 mg/m <sup>3</sup> TWA (respirable) 15 mg/m <sup>3</sup> TWA (total)
Lithium 12-hydroxystearate	None	None	None
Graphite	2 mg/m <sup>3</sup> TWA (respirable)	5 mg/m <sup>3</sup> TWA (respirable) 15 mg/m <sup>3</sup> TWA (total)	
Polybutene	None	None	None
Talc	2 mg/m <sup>3</sup> TWA (respirable)	20 mppcf	2 mg/m <sup>3</sup> TWA (respirable)
Zinc (metallic)	None	None	None

\* = NIOSH REL

\*\* = Workplace Environmental Exposure Level (AIHA).

\*\*\* = Biological Exposure Index (ACGIH).

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Charcoal paste
<b>Physical State:</b>	Flowing solid
<b>Molecular Weight:</b>	Mixture
<b>Chemical Formula:</b>	Mixture
<b>Odor:</b>	Petroleum odor
<b>Specific Gravity (water = 1.0):</b>	1.37
<b>Solubility In Water (wt. %):</b>	Negligible
<b>Melting Point:</b>	400 °F (204 °C)
<b>Flash Point</b>	None

## 10. STABILITY AND REACTIVITY

<b>Normally Stable? (Conditions To Avoid):</b>	Normally stable.
<b>Incompatibilities:</b>	Strong oxidizing agents. May ignite product.
<b>Hazardous Decomposition Products:</b>	Oxides or carbon (CO and CO <sub>2</sub> ) and zinc.
<b>Hazardous Polymerization:</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

Product has not been tested as a mixture.

## 12. ECOLOGICAL INFORMATION

Specific data on mixture not available. Contains zinc and is harmful if discharged into the environment.

## 13. DISPOSAL CONSIDERATIONS

### RCRA

<b>Is the unused product a RCRA hazardous waste if discarded?</b>	No
<b>If yes, the RCRA ID number is:</b>	

**OTHER DISPOSAL CONSIDERATIONS:** Observe all Federal, State, and Local Environmental regulations.

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

## 14. TRANSPORT INFORMATION

<b>US DOT Proper Shipping Name:</b>	Not regulated
<b>US DOT Hazard Class &amp; Packing Group:</b>	Not regulated
<b>US DOT ID Number:</b>	Not regulated

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

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## 15. REGULATORY INFORMATION

### TOXIC SUBSTANCES CONTROL ACT (TSCA)

<b>TSCA Inventory Status:</b>	All ingredients are listed on the TSCA chemical inventory.
<b>Other TSCA Issues:</b>	None

### SARA TITLE III/CERCLA

Reportable Quantities (RQs) and/or Threshold Planning Quantities (TPQs) exist for the following ingredients.

Ingredient Name	SARA/CERCLA RQ (lb)	SARA EHS TPQ (lb)
Zinc	1000	-----

Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

**SECTION 311 HAZARD CLASS:** Immediate.

### SARA 313 TOXIC CHEMICALS:

The following ingredients are listed as SARA 313 "Toxic Chemicals" and potential subject to annual SARA 313 reporting. Weight percents are found in Section 3.

Ingredient Name	Comment
Zinc	Regulated as dust or fume only. Does not apply to this product.

### STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

Ingredient Name	Weight %	Comment
No ingredients listed in this section.		

### OTHER REGULATORY INFORMATION:

<b>WHMIS Classification (Canada):</b>	As shipped: D2B This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
<b>Foreign Inventory Status:</b>	All ingredients listed on the Canadian DSL.

## 16. OTHER INFORMATION

<b>Current Issue Date:</b>	March 13, 2009		
<b>Previous Issue Date:</b>	February 22, 2006		
<b>Changes To MSDS From Previous Issue Date Are Due To The Following:</b>	File Review		
<b>HMIS (III) Ratings</b>	Health: 1	Flammability: 1	Physical Hazard: 0
<b>NFPA 704 Ratings</b>	Health: 1	Flammability: 1	Instability: 0
<b>MSDS prepared by Gardner Bender technical department.</b>			